

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082820\
 Data File : VV018137.D
 Acq On : 28 Aug 2020 15:30
 Operator : SY/MD
 Sample : L3800-21
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3J3

Quant Time: Aug 29 00:41:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 29 00:38:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	263403	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	261190	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	127230	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	80225	39.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.84%
7) Chloroethane-d5	1.58	69	74236	45.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.30%
11) 1,1-Dichloroethene-d2	2.12	63	130263	33.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.76%
21) 2-Butanone-d5	3.91	46	125873	95.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.63%
24) Chloroform-d	4.38	84	163253	44.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.24%
26) 1,2-Dichloroethane-d4	5.06	65	115108	48.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.88%
32) Benzene-d6	5.08	84	330589	45.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.86%
36) 1,2-Dichloropropane-d6	6.09	67	111659	47.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.90%
41) Toluene-d8	7.34	98	289936	44.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.58%
43) trans-1,3-Dichloropropene-	7.64	79	50392	47.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.42%
47) 2-Hexanone-d5	8.11	63	68953	91.31	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.31%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	142965	46.65	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.30%
64) 1,2-Dichlorobenzene-d4	11.65	152	127647	50.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.96%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	8219	3.512 ug/L #	38
8) Chloroethane	1.32	64	4126	2.762 ug/L	96
12) 1,1-Dichloroethene	2.13	96	7538	4.266 ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	2297	1.265 ug/L	88
18) Methyl tert-butyl Ether	2.79	73	33828	5.632 ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	477632	239.305 ug/L	98
25) Chloroform	4.41	83	8589	2.306 ug/L	100
34) Trichloroethene	5.94	95	336526	157.550 ug/L	98
35) Methylcyclohexane	6.09	83	26654	8.392 ug/L #	17
37) 1,2-Dichloropropane	6.09	63	12011	5.450 ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	2840	0.909 ug/L #	55
45) 1,1,2-Trichloroethane	7.99	97	4191	2.054 ug/L #	1
46) Tetrachloroethene	8.00	164	508702	324.734 ug/L	99
48) 2-Hexanone	8.11	43	8749	3.766 ug/L #	70
59) 1,2,3-Trichloropropane	11.27	75	14925	5.484 ug/L	94

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Quant Title : VOC Analysis
QLast Update : Sat Aug 29 00:38:30 2020
Response via : Initial Calibration

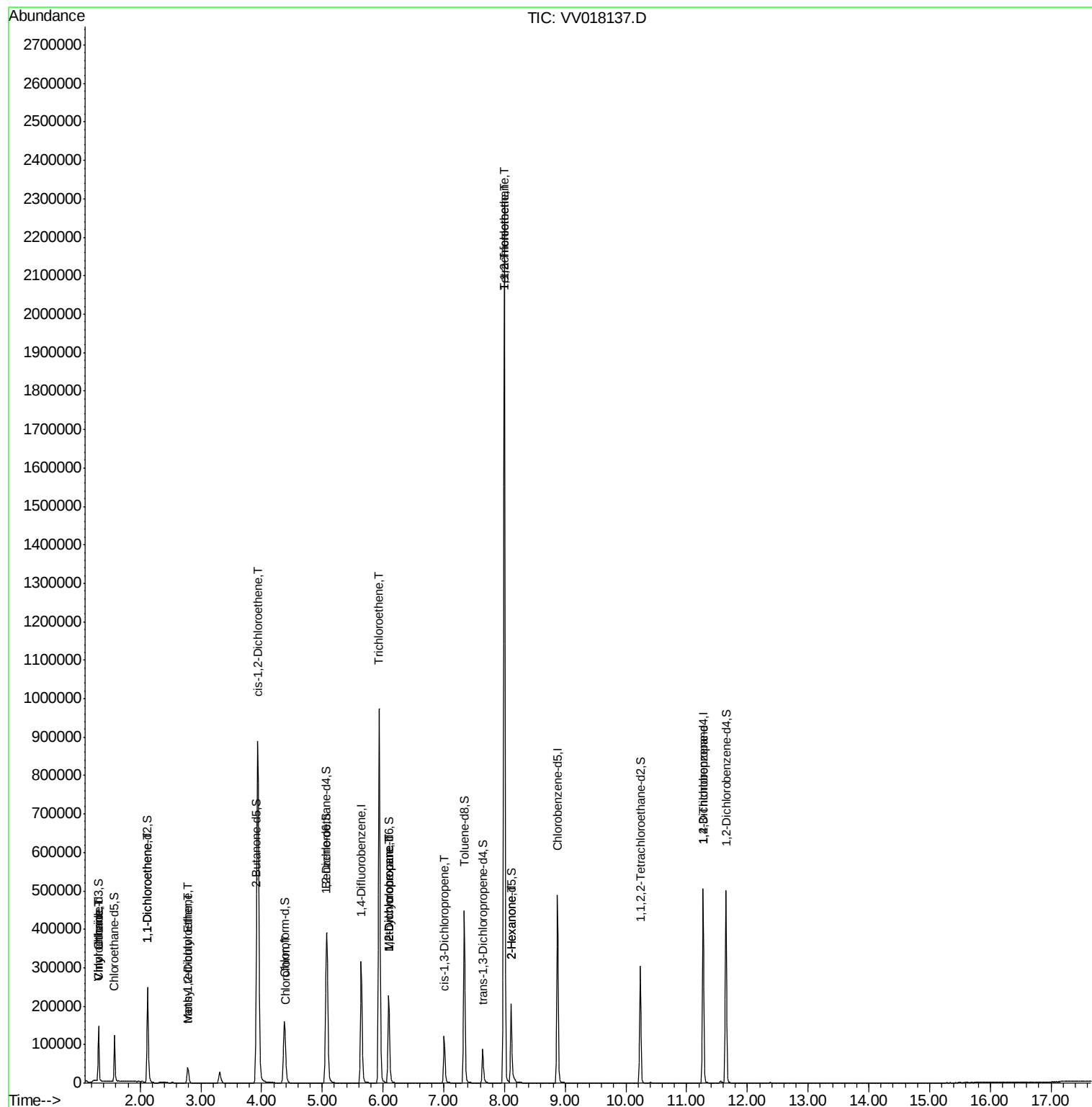
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

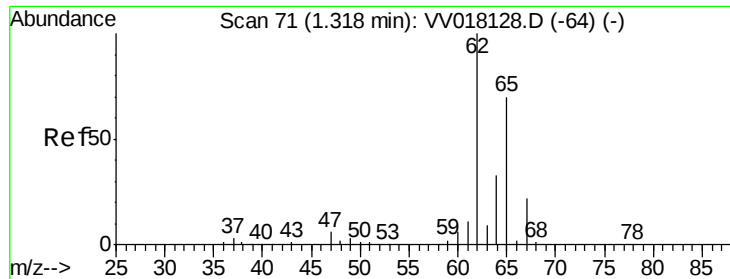
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV082820\
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#5

Vinyl chloride

Concen: 3.512 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018137.D

Acq: 28 Aug 2020 15:30

Instrument :

MSVOA_V

ClientSampleId :

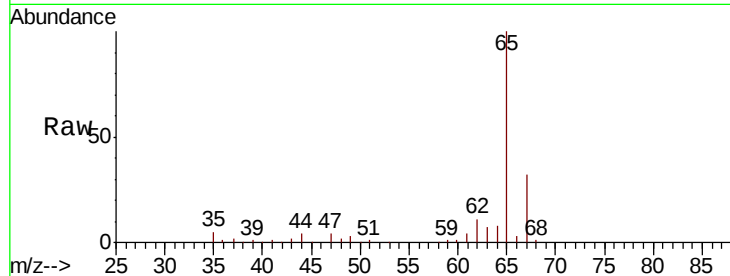
BG3J3

Tot Ion: 62 Resp: 8219

Ion Ratio Lower Upper

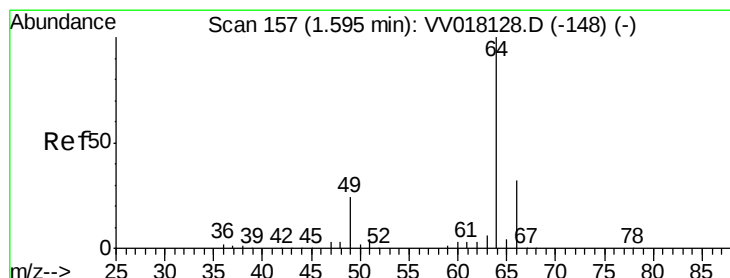
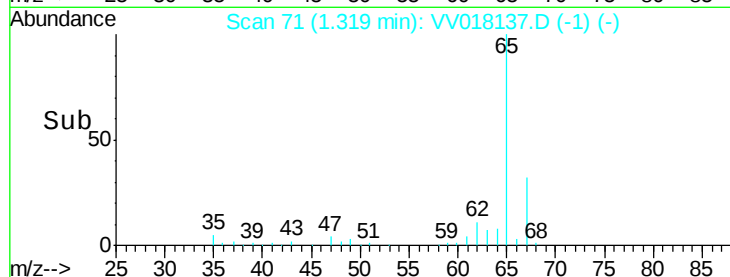
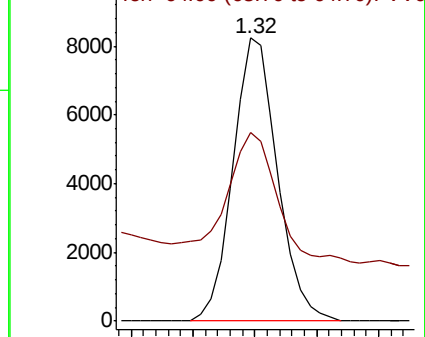
62 100

64 66.4 22.4 41.6#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#8

Chloroethane

Concen: 2.762 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.28 min

Lab File: VV018137.D

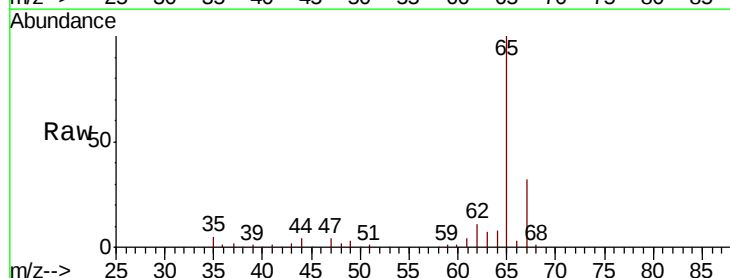
Acq: 28 Aug 2020 15:30

Tgt Ion: 64 Resp: 4126

Ion Ratio Lower Upper

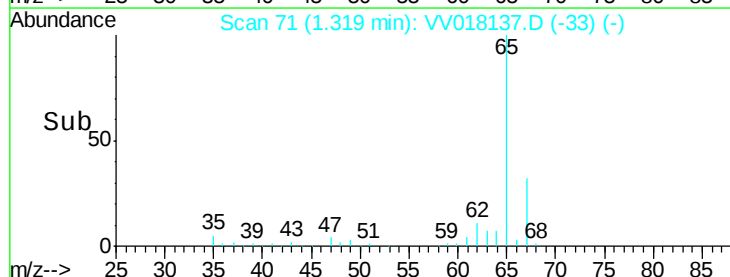
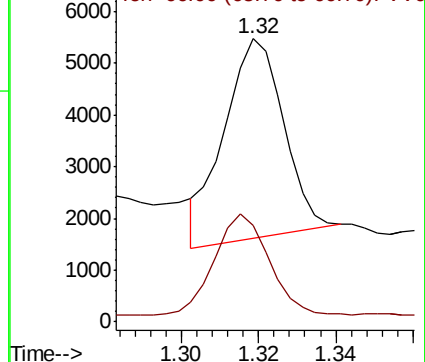
64 100

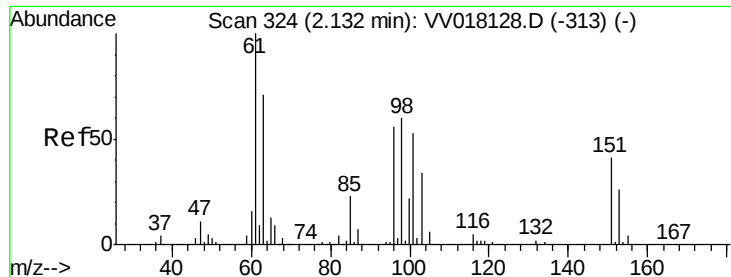
66 34.1 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0





#12

1,1-Dichloroethene

Concen: 4.266 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018137.D

Acq: 28 Aug 2020 15:30

Instrument :

MSVOA_V

ClientSampleId :

BG3J3

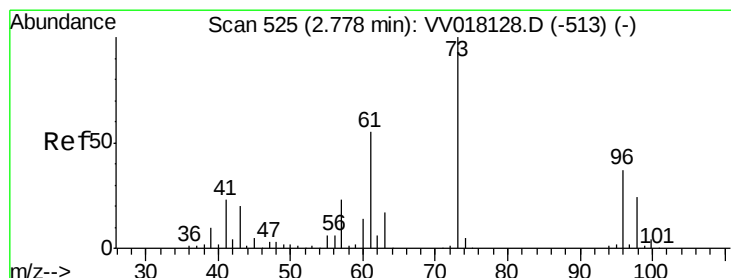
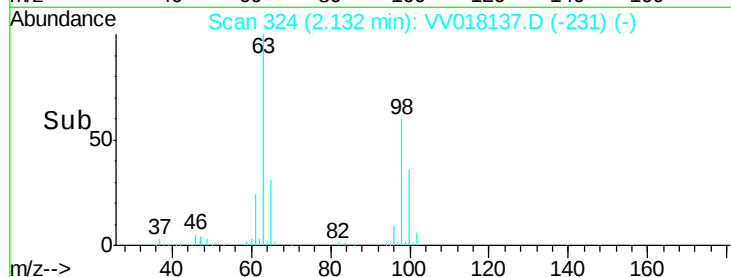
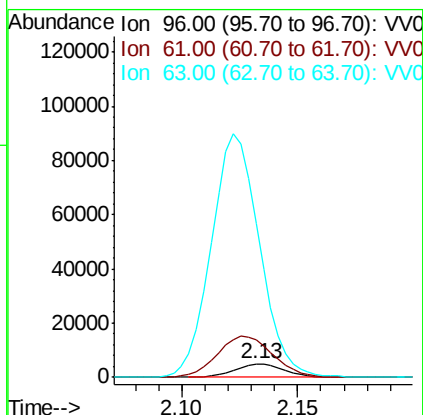
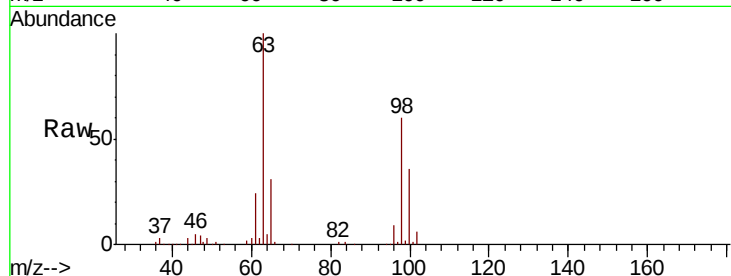
Tot Ion: 96 Resp: 7538

Ion Ratio Lower Upper

96 100

61 277.2 127.1 236.0#

63 1145.3 95.2 176.8#



#17

trans-1,2-Dichloroethene

Concen: 1.265 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.01 min

Lab File: VV018137.D

Acq: 28 Aug 2020 15:30

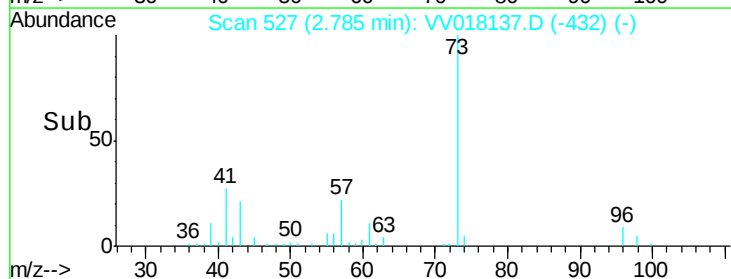
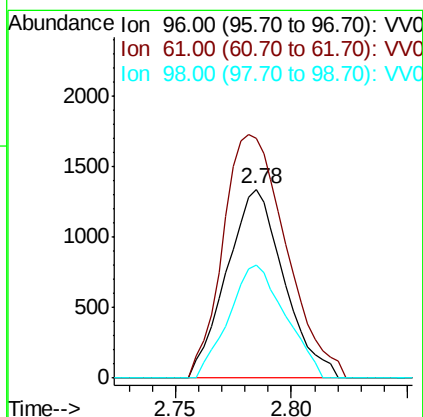
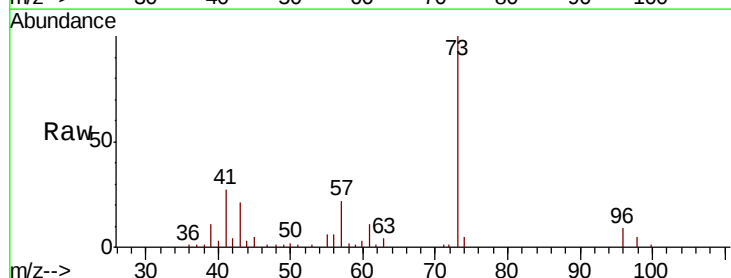
Tgt Ion: 96 Resp: 2297

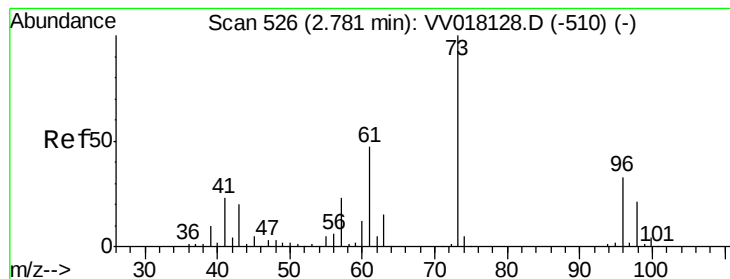
Ion Ratio Lower Upper

96 100

61 126.6 102.4 190.2

98 60.0 44.4 82.5



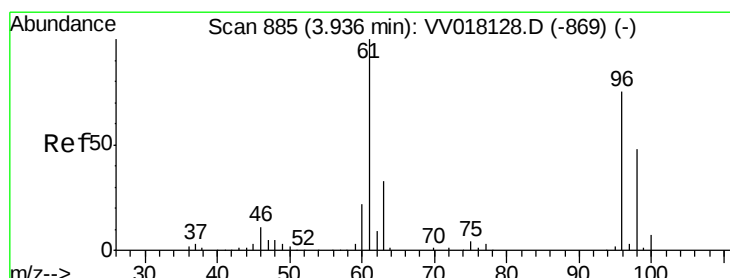
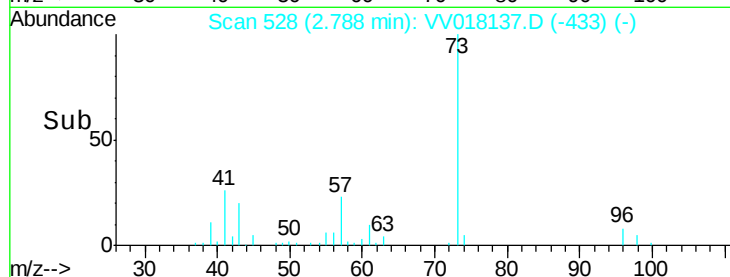
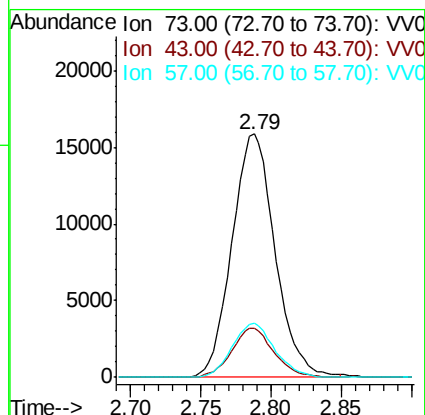
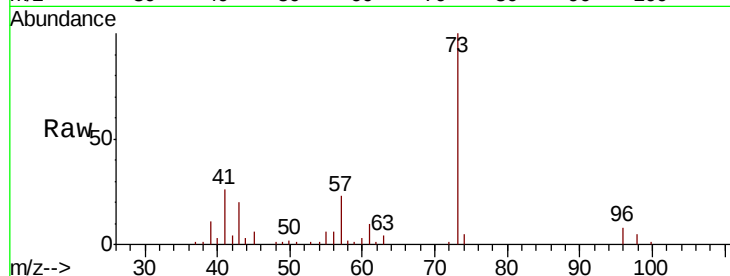


#18

Methvl tert-butvl Ether
 Concen: 5.632 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. 0.01 min
 Lab File: VV018137.D
 Acq: 28 Aug 2020 15:30

Instrument :
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 ClientSampleId :
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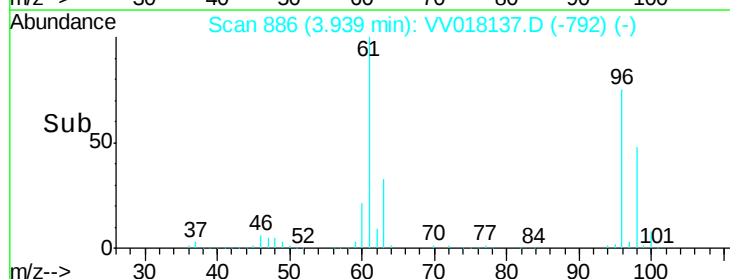
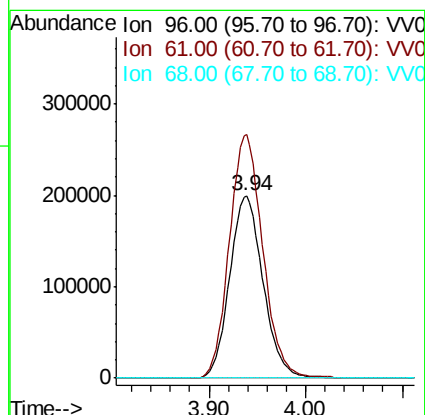
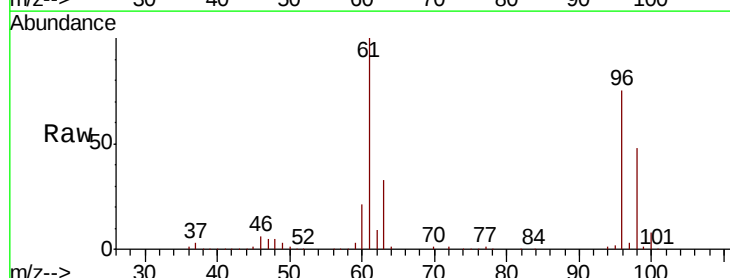
Tot Ion: 73 Resp: 33828
 Ion Ratio Lower Upper
 73 100
 43 19.8 15.9 23.9
 57 21.9 18.1 27.1

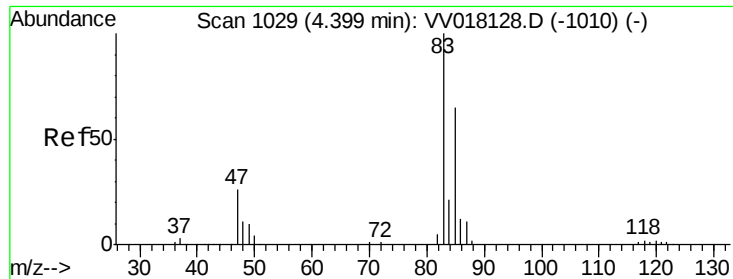


#20

cis-1,2-Dichloroethene
 Concen: 239.305 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV018137.D
 Acq: 28 Aug 2020 15:30

Tgt Ion: 96 Resp: 477632
 Ion Ratio Lower Upper
 96 100
 61 133.5 95.0 176.4
 68 0.0 0.0 0.0

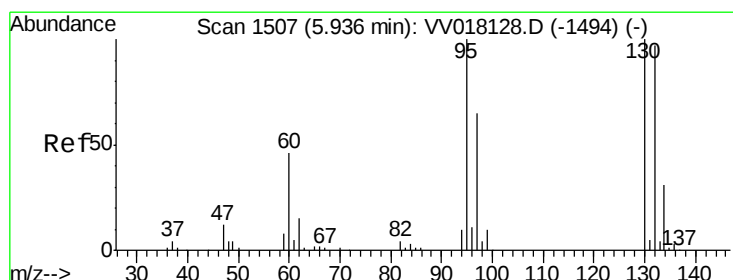
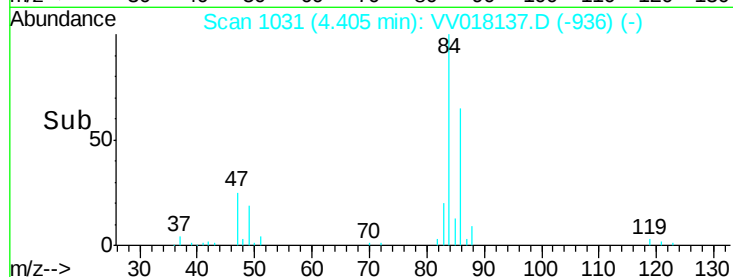
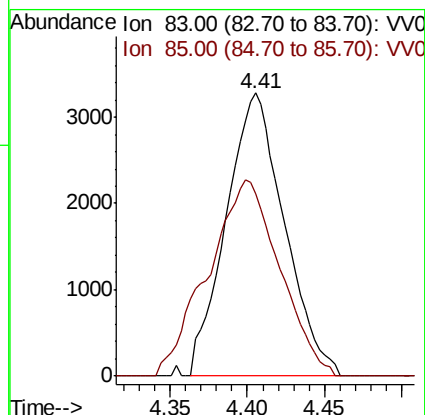
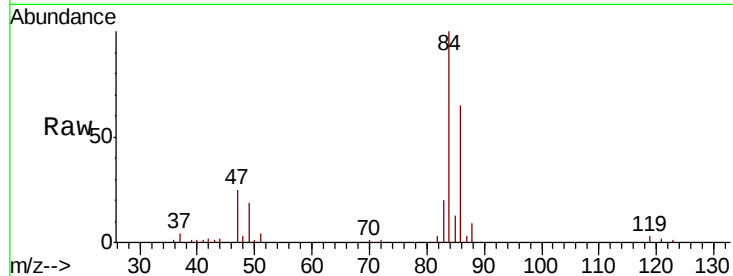




#25
Chloroform
Concen: 2.306 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV018137.D
Acq: 28 Aug 2020 15:30

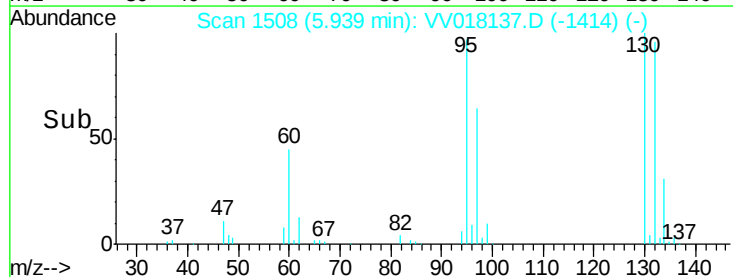
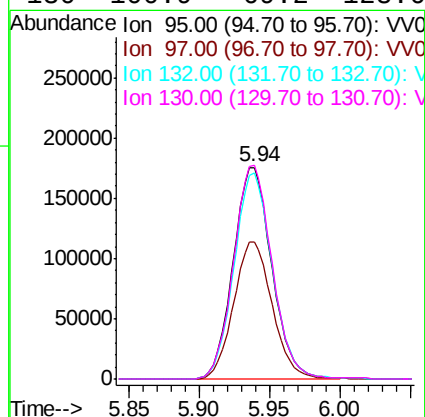
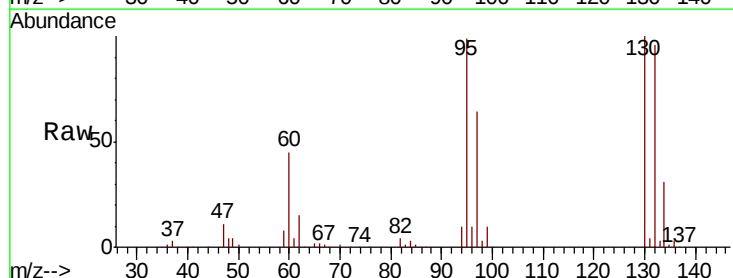
Instrument :
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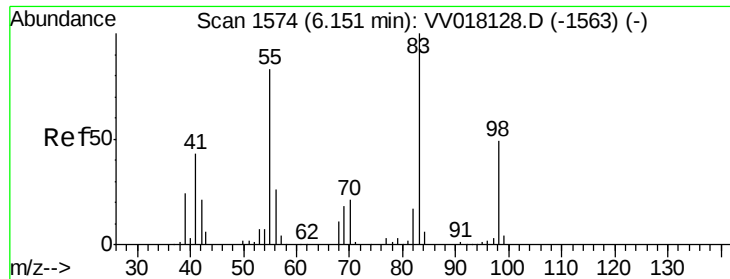
Tot Ion: 83 Resp: 8589
Ion Ratio Lower Upper
83 100
85 64.6 45.5 84.5



#34
Trichloroethene
Concen: 157.550 ug/L
RT: 5.94 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VV018137.D
Acq: 28 Aug 2020 15:30

Tgt Ion: 95 Resp: 336526
Ion Ratio Lower Upper
95 100
97 64.9 46.0 85.4
132 97.1 65.8 122.2
130 100.9 69.2 128.6

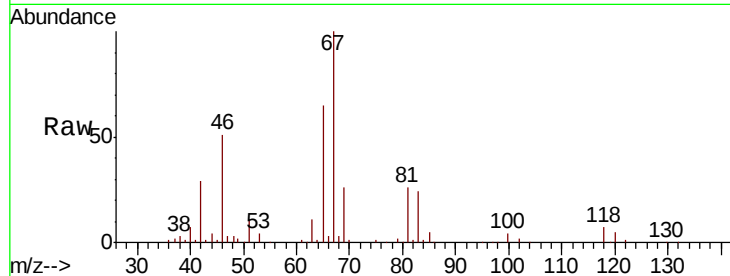




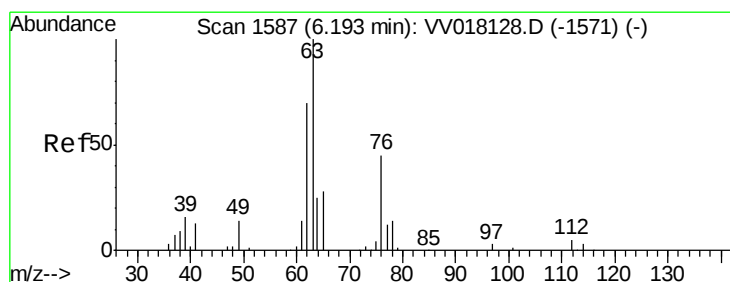
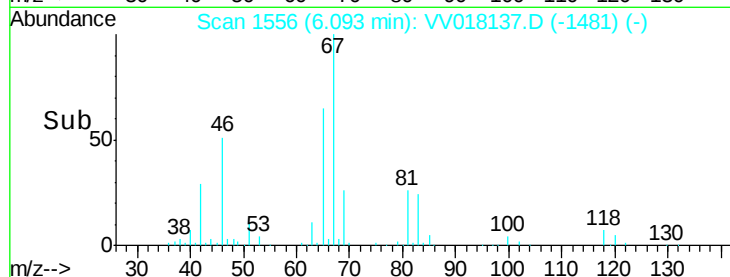
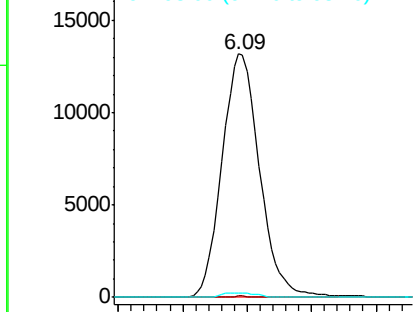
#35
Methylcyclohexane
Concen: 8.392 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV018137.D
Acq: 28 Aug 2020 15:30

Instrument :
MSVOA_V
ClientSampleId :
BG3J3

Tot Ion: 83 Resp: 26654
Ion Ratio Lower Upper
83 100
55 0.2 64.9 97.3#
98 0.5 38.7 58.1#

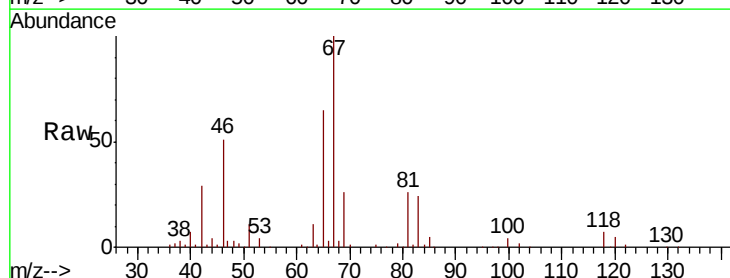


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

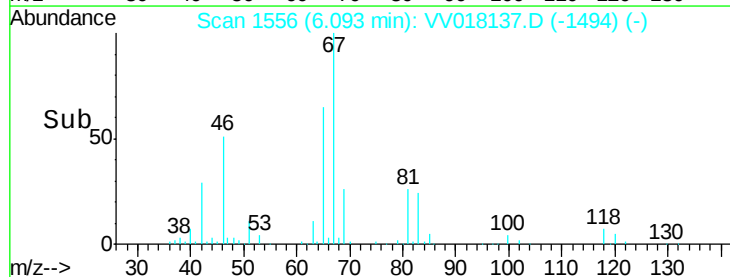
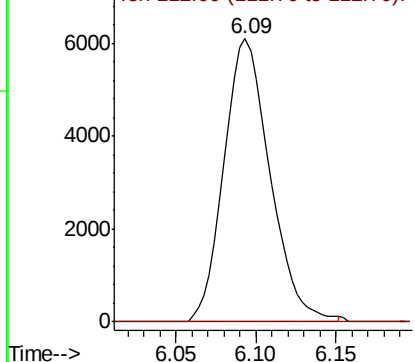


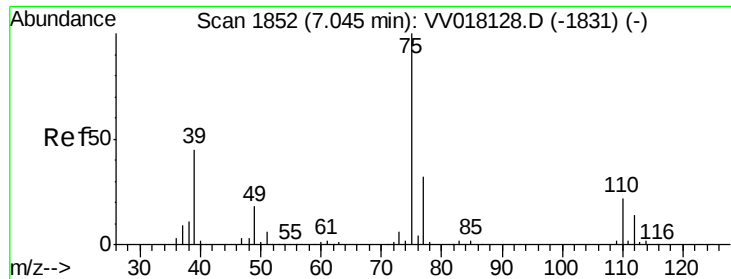
#37
1,2-Dichloropropane
Concen: 5.450 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV018137.D
Acq: 28 Aug 2020 15:30

Tgt Ion: 63 Resp: 12011
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V

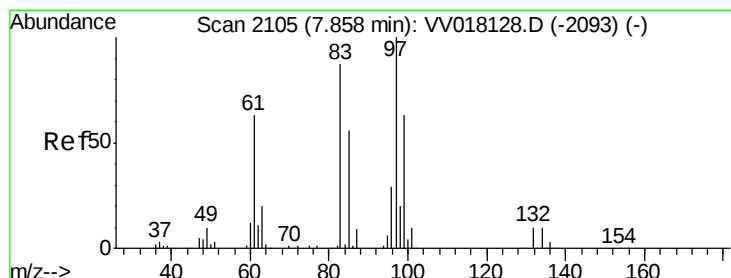
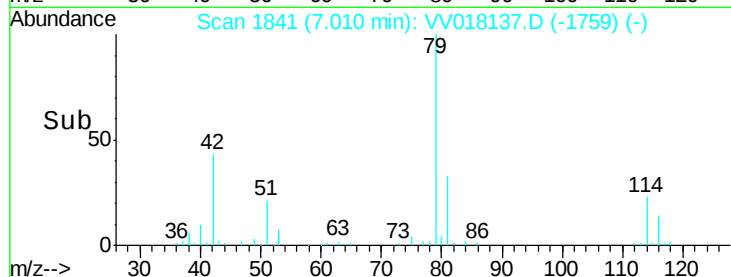
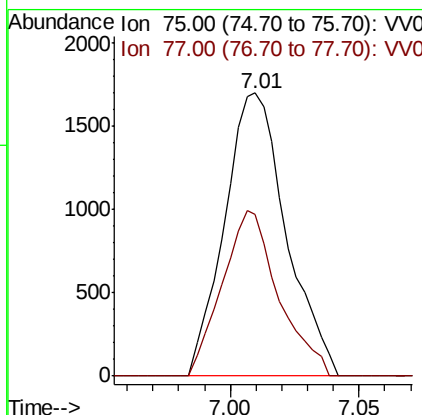
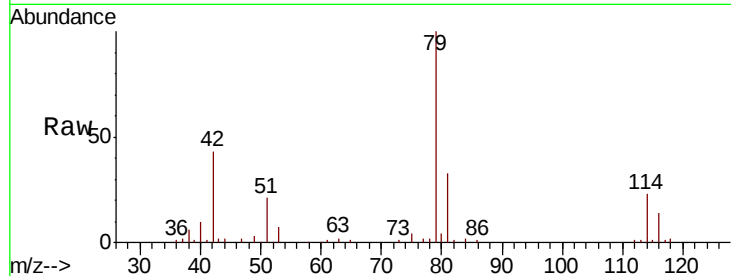




#39
 cis-1,3-Dichloropropene
 Concen: 0.909 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV018137.D
 Acq: 28 Aug 2020 15:30

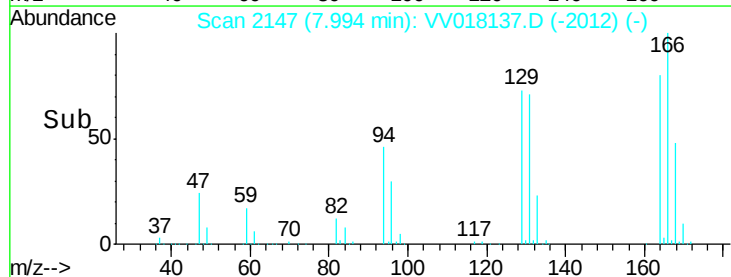
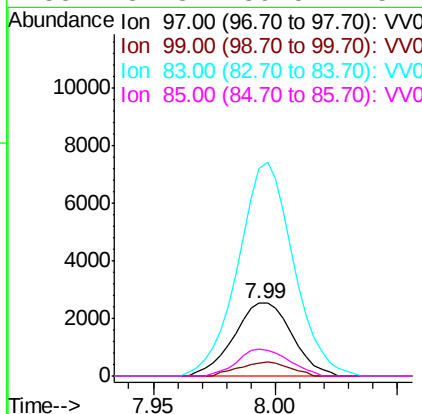
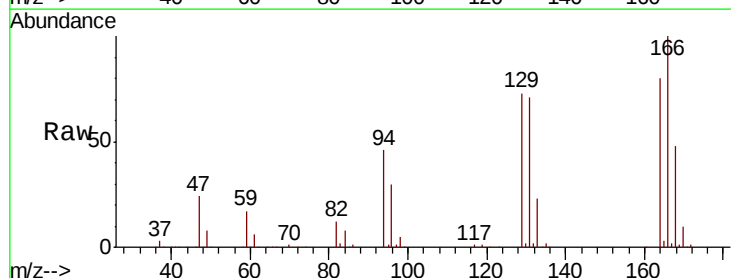
Instrument :
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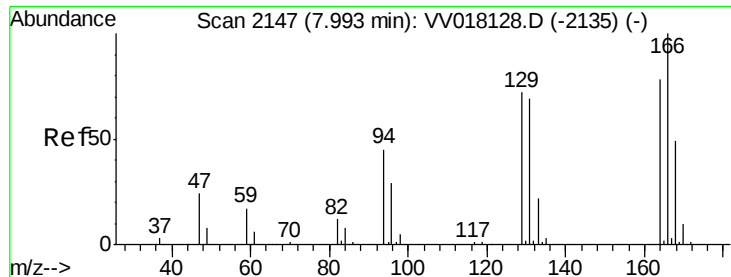
Tot Ion: 75 Resp: 2840
 Ion Ratio Lower Upper
 75 100
 77 57.0 22.3 41.5#



#45
 1,1,2-Trichloroethane
 Concen: 2.054 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. 0.14 min
 Lab File: VV018137.D
 Acq: 28 Aug 2020 15:30

Tgt Ion: 97 Resp: 4191
 Ion Ratio Lower Upper
 97 100
 99 17.6 44.2 82.2#
 83 285.5 61.0 113.4#
 85 37.3 39.5 73.4#





#46

Tetrachloroethene

Concen: 324.734 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV018137.D

Acq: 28 Aug 2020 15:30

Instrument :

MSVOA_V

ClientSampleId :

BG3J3

Tot Ion:164 Resp: 508702

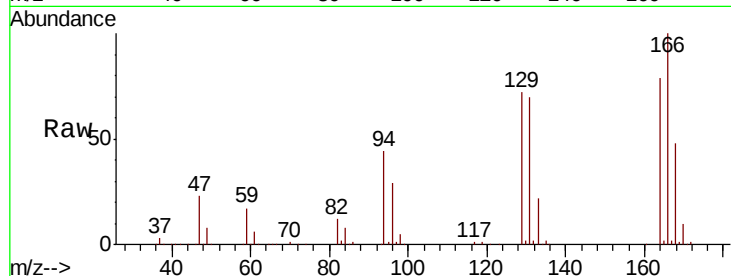
Ion Ratio Lower Upper

164 100

129 91.5 64.8 120.3

131 89.2 64.5 119.9

166 127.3 88.9 165.1

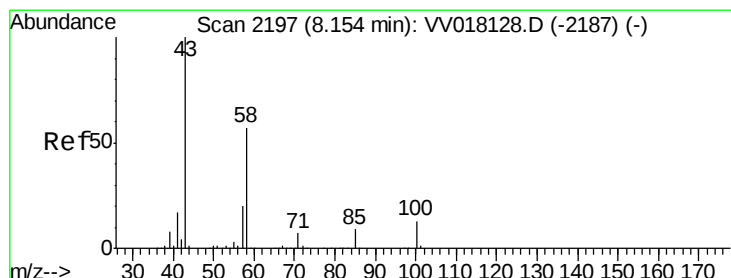
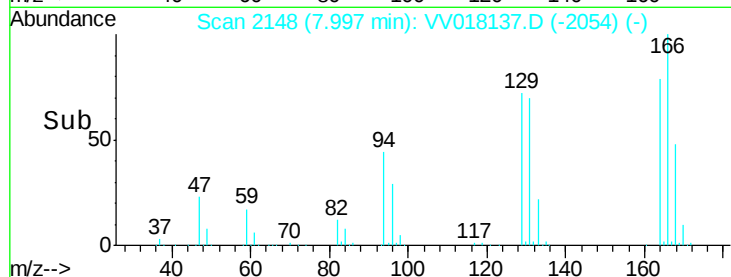
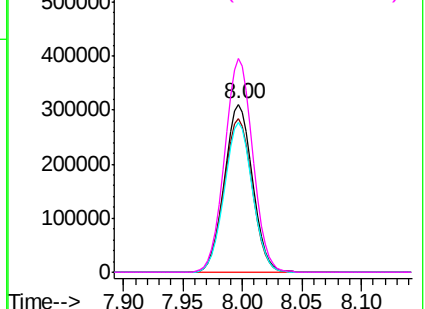


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 3.766 ug/L

RT: 8.11 min Scan# 2182

Delta R.T. -0.05 min

Lab File: VV018137.D

Acq: 28 Aug 2020 15:30

Tgt Ion: 43 Resp: 8749

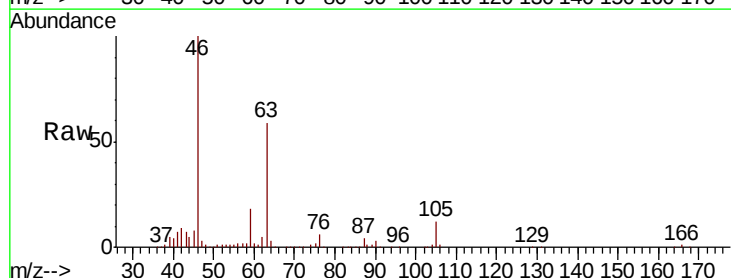
Ion Ratio Lower Upper

43 100

58 33.0 44.4 66.6#

57 29.8 15.2 22.8#

100 0.0 9.8 14.6#

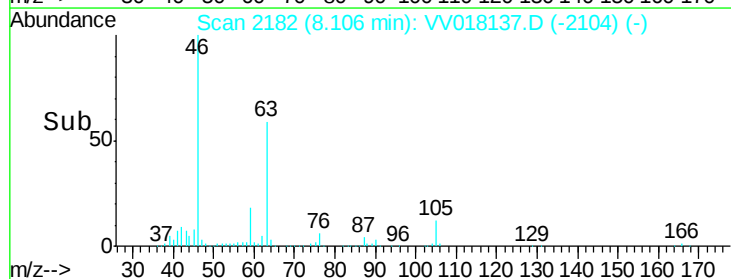
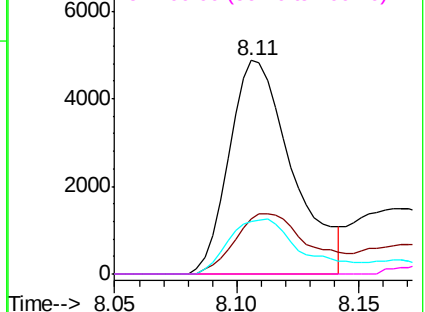


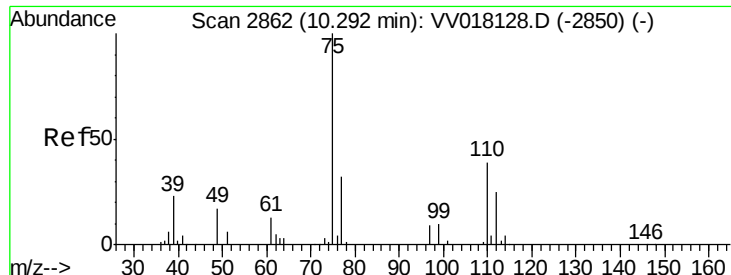
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#59
 1,2,3-Trichloropropane
 Concen: 5.484 ug/L
 RT: 11.27 min Scan# 3166
 Delta R.T. 0.98 min
 Lab File: VV018137.D
 Acq: 28 Aug 2020 15:30

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3J3

Tot Ion: 75 Resp: 14925
 Ion Ratio Lower Upper
 75 100
 77 35.4 25.7 38.5

